



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EP-REF
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US PATENT & TRADEMARK
OFFICE

In re Patent Application of

Atty. Ref.: 4883-3

KIM ET AL.

TC/A.U.: Unknown

Serial No. 10/576,831

Examiner: Unknown

Filed: April 24, 2006

Confirmation No.:

For: SYSTEM AND METHOD FOR DETERMINING POSITION
OF MOBILE COMMUNICATION DEVICE BY GRID-
BASED PATTERN MATCHING ALGORITHM

* * * * *

August 24, 2006

Mail Stop 16
Director of the U.S. Patent and Trademark Office
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Alexandria, VA 22313-1450

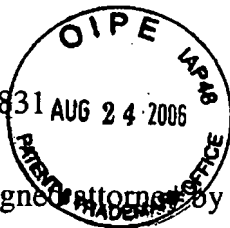
Sir:

REQUEST FOR REFUND

A refund is respectfully requested for the overpayment made when this application was filed. When the application was filed, applicant's attorney correctly listed "\$690.00" as the basic filing fee (small entity) of this patent application (copy of transmittal letter enclosed). The Patent Office charged the large entity fee of "\$1140.00" (see enclosed statement). Therefore it is requested that the overpayment of \$450.00 be refunded to

KIM ET AL.

Serial No. 10/576,831



applicant's undersigned attorney by crediting \$450.00 to our Account No. 14-1140. For this purpose a duplicate copy of this paper is enclosed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: Frank P. Presta
Frank P. Presta
Reg. No. 19,828

FPP:cgp
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

FORM PTO-1390 MODIFIED	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 4883-3
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown
INTERNATIONAL APPLICATION NO. PCT/KR2005/002979	INTERNATIONAL FILING DATE 9 September 2005	PRIORITY DATE CLAIMED 17 September 2004
TITLE OF INVENTION SYSTEM AND METHOD FOR DETERMINING POSITION OF MOBILE COMMUNICATION DEVICE BY GRID-BASED PATTERN MATCHING ALGORITHM		
APPLICANT(S) FOR DO/EO/US KIM ET AL.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The U.S. has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> WO 2006/031035 is attached hereto (27 pages specification, claims & abstract (18 claims), 16 sheets drawings). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation). b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. a. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). b. <input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 To 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 13. a. <input checked="" type="checkbox"/> A FIRST preliminary amendment. b. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information. International Search Report		

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
Unknown		PCT/KR2005/002979		4883-3	

☒ The following fees are submitted:

BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5)):					
21. <input checked="" type="checkbox"/> Basic national fee	\$300.00 (1631)/\$150.00 (2631)	\$	150.00		
22. <input checked="" type="checkbox"/> Examination Fee	\$0 (1643/2643)				
	\$200.00 (1633)/\$100.00 (2633)	\$	100.00		
23. <input checked="" type="checkbox"/> Search Fee	\$0 (1640/2640)				
	\$100 (1641)/\$50 (2641)				
	\$400 (1642)/\$200 (2642)				
	\$500.00 (1632)/\$250.00 (2632)	\$	200.00		
TOTAL OF ABOVE CALCULATIONS				\$	450.00

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
43 -100	0	/50 = 0.00	\$0.00 (1681) \$0.00 (2681)	\$	

Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).

CLAIMS	NUMBER FILED	# EXTRA	RATE			
Total Claims	18 minus 20 =	0 X	\$50.00 (1615)/	\$25.00 (2615)	\$	
Independent Claims	5 minus 3 =	2 X	\$200.00 (1614)	\$100.00 (2614)	\$	200.00
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			\$360.00 (1616)/\$180.00 (2616)		\$	0.00

Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)

☒ Applicant claims small entity status. See 37 CFR 1.27.

Processing fee of \$130.00 (1618), for furnishing the English Translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).

TOTAL NATIONAL FEE =		\$	650.00
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property +		\$	40.00
Fee for Petition to Revive Unintentionally Abandoned Application: \$1500.00 (1453) / \$750.00 (2453)		\$	0.00
TOTAL FEES ENCLOSED =		\$	690.00

Amount to be refunded:	\$	
Amount to be Charged:	\$	

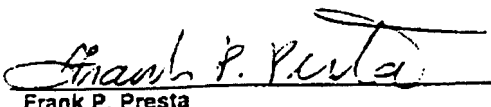
a. ☐ A check in the amount of \$690.00 to cover the above fees is enclosed.
b. ☐ Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees. A duplicate copy of this form is enclosed.
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.
d. ☒ CREDIT CARD PAYMENT FORM ATTACHED.
e. ☒ The entire content of International Application No. PCT/KR2005/002979 and any U.S. and foreign application(s) corresponding thereto, and KR-10-0074421, KR 10-2005-0011678, and KR 10-2005-0081293, referred to in this application is/are hereby incorporated by reference in this application.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.

CORRESPONDENCE ADDRESS
Direct all correspondence to:

☒ Customer Number: 23117
Type Customer Number here

Phone: (703) 816-4000
FPP:jsm


Frank P. Presta
NAME
19.828 April 24, 2006
REGISTRATION NUMBER Date

Prepared For
ROBERT BARNAS/CBA
NIXON & VANDERHYE PC

Account Number
3782-926477-21007

Activity Continued		Foreign Currency conversion rate is base rate plus 2%. See page 2 for details.	Reference Code	Foreign Spending
05/05/06	US PATENT TRADEMARK 703-3054631 10576815 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007834	VA 05/04/06	00010576815	
05/05/06	US PATENT TRADEMARK 703-3054631 10576874 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007842	VA 05/04/06	00010576874	
05/05/06	US PATENT TRADEMARK 703-3054631 10577062 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007857	VA 05/04/06	00010577062	1,030.00
05/05/06	US PATENT TRADEMARK 703-3054631 10576831 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007875	VA 05/04/06	00010576831	1,140.00
05/05/06	US PATENT TRADEMARK 703-3054631 10876534 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007894	VA 05/04/06	00010876534	1,718.00
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05/05/06	US PATENT TRADEMARK 703-3054631 10483402 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007905	VA 05/04/06	00010483402	1,706.00
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05/05/06	US PATENT TRADEMARK 703-3054631 09532024 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000007921	VA 05/04/06	00009532024	1,412.00
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05/06/06	US PATENT TRADEMARK 703-3054631 11416160 GOVERNMENT SERVICES GOVERNMENT SERVICES ROC NUMBER 0000009841	VA 05/04/06	00011416160	2,200.00

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